

Bruhat Bangalore Mahanagara Palike
Executive Engineer Yelahanka Division

Work: Improvement and asphaltting to 10th and 11th cross roads of Muneshwara layout in Attur wardno. 03.

					Estimate Cost Rs.			50.00 Lakhs
Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
BS Slab of drain and Stacking (Page No 25., I.No.5.32 of KPWD S.R 2016-17).								
BS Slab								
10th cross road	2	172.00	1.65		567.60			
10th cross road	2	170.00	1.65		561.00			
10th cross road	2	172.00	1.65		567.60			
10th cross road	2	172.00	1.65		567.60			
10th cross road	2	172.00	1.20		412.80			
10th cross road	2	170.00	1.20		408.00			
10th cross road	2	172.00	1.20		412.80			
10th cross road	2	172.00	1.20		412.80			
BS Slab Total Qty					3910.20			
Under 20% of BS Slab					782.04			
					782.04	Sqm	65.72	51395.67
Stone Slabs of drains and Pointing in C.M(1:3). (Page No 25., I.No.5.33 of KPWD S.R 2016-17)								
Under 10% of Total qty of BS Slab					782.04			
					782.04	Sqm	80.56	63001.14
Fixing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete. 7.5cm thick (Page No 25., I.No.5.31.1 of KPWD S.R 2016-17)								
Under 10% of Total qty of BS Slab					391.02			
					391.02	Sqm	665.68	260294.19
B 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 1.5 m, excavated surface leveled and neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (Page No142., I.No.19.1 of KPWD S.R 2016-17).								
10th cross road	1	172.00	4.90	0.20	168.56			
10th cross road	1	170.00	4.50	0.20	153.00			
10th cross road	1	172.00	4.75	0.20	163.40			
10th cross road	1	172.00	5.00	0.20	172.00			
10th cross road	2	172.00	0.35	0.30	36.12			
10th cross road	2	170.00	0.35	0.30	35.70			
10th cross road	2	172.00	0.35	0.30	36.12			
10th cross road	2	172.00	0.35	0.30	36.12			
					801.02	Cum	86.92	69624.66
RRB M400-6.1. Construction of granular sub-base by providing close graded material, crushed one aggregate of granite/trap/basalt material, mixing in a mechanical mix plant at OMC, carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications. A. Plant Mix Method. Close graded granular sub-base material as per 400-1 For Grading- II Material (Page No 155., I.No.20.4.2 of KPWD S.R 2016-17).								
10th cross road	1	172.00	4.90	0.175	147.49			
10th cross road	1	170.00	4.50	0.175	133.88			
10th cross road	1	172.00	4.75	0.175	142.98			

Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
ss road	1	172.00	5.00	0.175	150.50			
					574.84	Cum	1665.26	957258.06
M400- Wet Mix Macadam - KSRRB M400-17. Providing, laying, spreading and compacting stones aggregate to wet mix macadam specifications including pre mixing the material at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in 1 layers with paver in sub-base/base course on well prepared surface and compacting with dry roller to achieve the desired density complete as per specifications. MORTH Specification No. 406 (P.No.158 I.No.20.18)								
cross road	1	172.00	4.90	0.225	189.63			
cross road	1	170.00	4.50	0.225	172.13			
cross road	1	172.00	4.75	0.225	183.83			
cross road	1	172.00	5.00	0.225	193.50			
					739.08	Cum	1768.08	1306752.57
ing and applying primer coat with ss bitumen emulsion on prepared surface of granular such as WMM including clearing of road surface and spraying primer at the rate of 0.60 m using mechanical means complete as per specifications. MORTH Specification No.502 160/lt No.21.6)								
cross road	1	172.00	4.90		842.80			
cross road	1	170.00	4.50		765.00			
cross road	1	172.00	4.75		817.00			
cross road	1	172.00	5.00		860.00			
					3284.80	Sqm	27.56	90,529.09
B M500- 15. Providing, laying dense graded bituminous macadam using 40/60 TPH capacity P with Mechanical paver Gr-II (50mm to 75mm), crushed aggregates of specified grading mixed with 4.5% VG 30 grade bituminous binder and , transporting the hot mix to work site , g to the required level and grade, rolling with smooth wheeled, vibratory and tandem rollers achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specifications MORTH Specification No.507 (P.No.162&163 It.No.21.17.6)								
cross road	1	172.00	4.90	0.05	42.14			
cross road	1	170.00	4.50	0.05	38.25			
cross road	1	172.00	4.75	0.05	40.85			
cross road	1	172.00	5.00	0.05	43.00			
					164.24	Cum	6284.74	1032205.70
RRB 500-7:Providing and applying tack coat with bitumen emulsion using 80/100 grade bitumen (VG20) on the prepared black topped surface at 2.5kg per 10 sqm, heating bitumen in boiler fitted with spray set (Excluding cleaning of road surface) including cost of all materials, labour, HOM of Machineries complete as per Specifications.(P.No.160 & I.No.21.7)								
th cross road	1	172.00	4.90		842.80			
th cross road	1	170.00	4.50		765.00			
th cross road	1	172.00	4.75		817.00			
th cross road	1	172.00	5.00		860.00			
					3284.80	Sqm	11.66	38,300.77
RRB M500- 15. Providing, laying bituminous Concrete using 40/60 THP capacity H.M.P with mechanical paver Gr-II (30mm to 45mm), crushed aggregates of specified grading premixed with 4% VG 30 grade bituminous binder and , transporting the hot mix to work site , laying to the required level and grade,rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH Specification clause No.500.9 complete in all respects complete as per specifications MORTH Specification No.509 (P.No.164 Item No.21.22.6)								
1th cross road	1	172.00	4.90	0.04	33.71			
0th cross road	1	170.00	4.50	0.04	30.60			
th cross road	1	172.00	4.75	0.04	32.68			

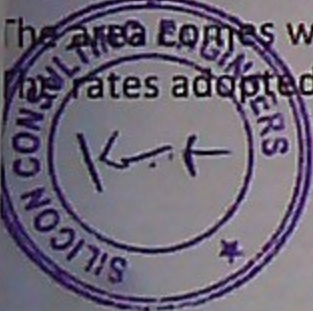
Description of Item	Length	Width	Depth	Quantity	Unit	Rate	Amount
ss road	172.00	5.00	0.04	34.40			
				131.39	Cum	7083.98	930778.30
M800-13: Road marking with hot applied thermoplastic compound with reflect rising glass on bituminous surface- providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is uniform of surface to level, uniform and free from streaks and holes complete as per specifications. MORTH specification No. 803, No. 1974 (P.No.185 & I.No.24.15)							
ross road	2	172.00	0.10	34.40			
ross road	2	170.00	0.10	34.00			
oss road	2	172.00	0.10	34.40			
oss road	2	172.00	0.10	34.40			
				137.20	Sqm	542.72	74,461.18
ng and unloading of stone boulders/stone aggregates/sand/kankar/Moorum including all lead and lift and as per specification and direction of the Engineer in charge of the work.(P.No-17.2)							
rm Item No-5				801.02			
				801.02	Cum	68.00	54,469.36
of haulage Excluding loading and unloading including all lead and lift and as per specification and direction of the Engineer in charge of the work., 10 Km lead							
rm Item No-4				801.02			
				801.02	Cum	32.00	25,632.64
Total Construction Cost							4954703.33
DPR & PMC Charges							45,200.00
Sub Total							4999903.33
Utility Shifting, Miscellaneous, Rounding off							96.67
GRAND TOTAL							5000000.00

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The workspot was inspected and works is found to be necessary.

The area comes within the Bruhat Bangalore Mahanagara Palike limits.

The rates adopted based on the PWD SR, Bangalore circle for year 2016-2017, issue rates and Data Rates.

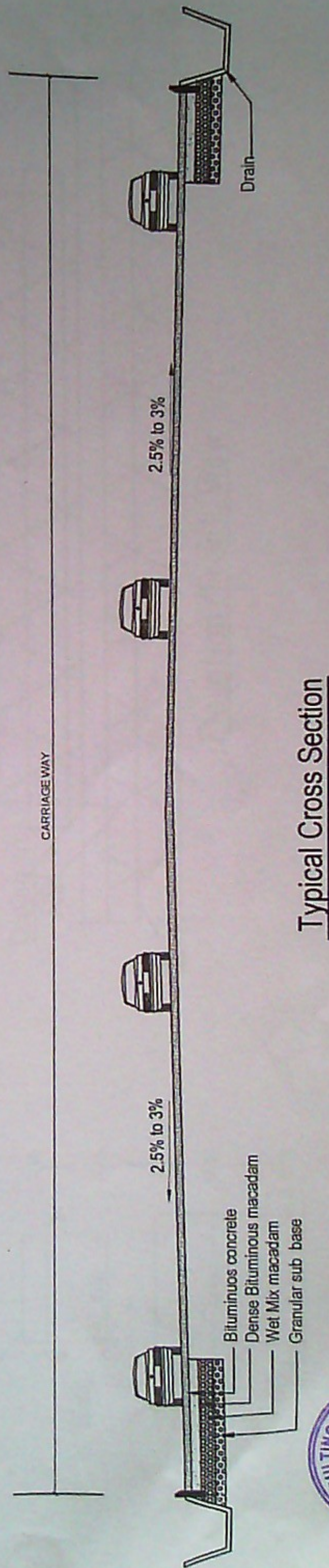
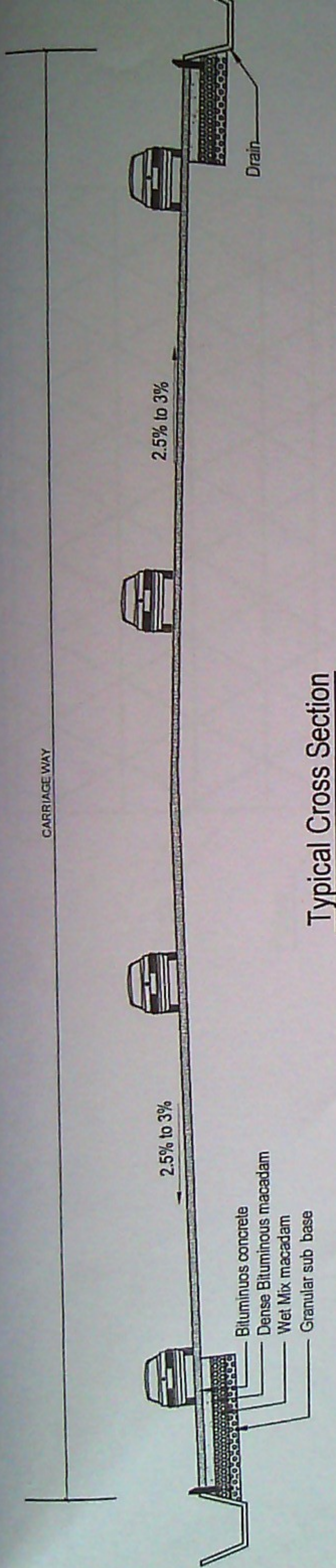


[Signature]
Assistant Engineer

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Asst. Executive Engineer

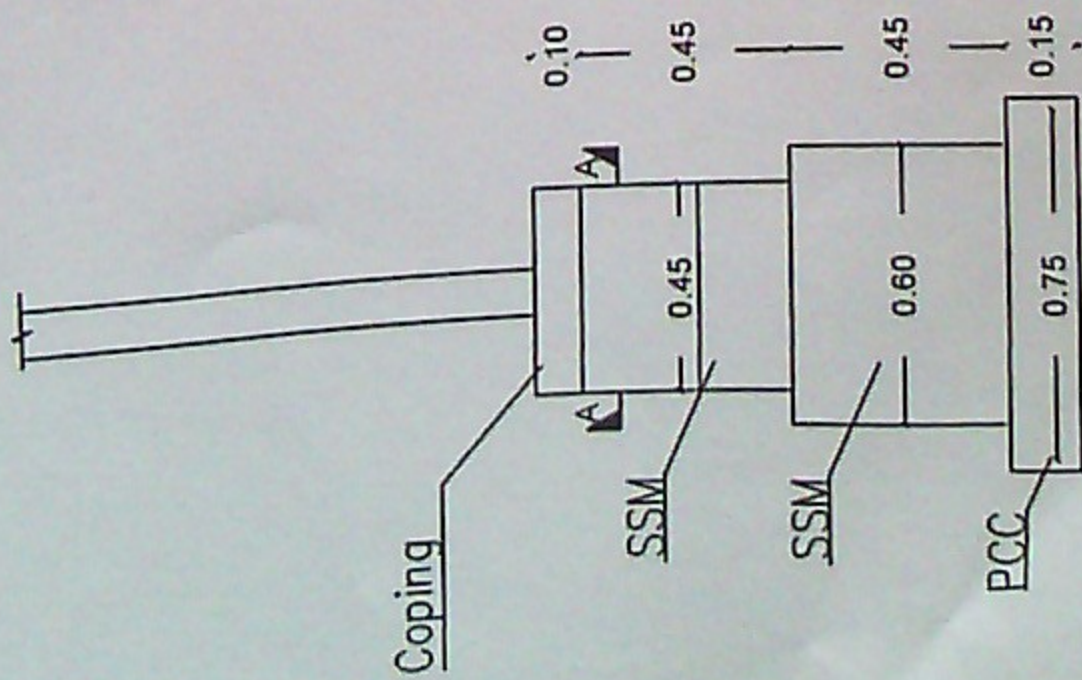
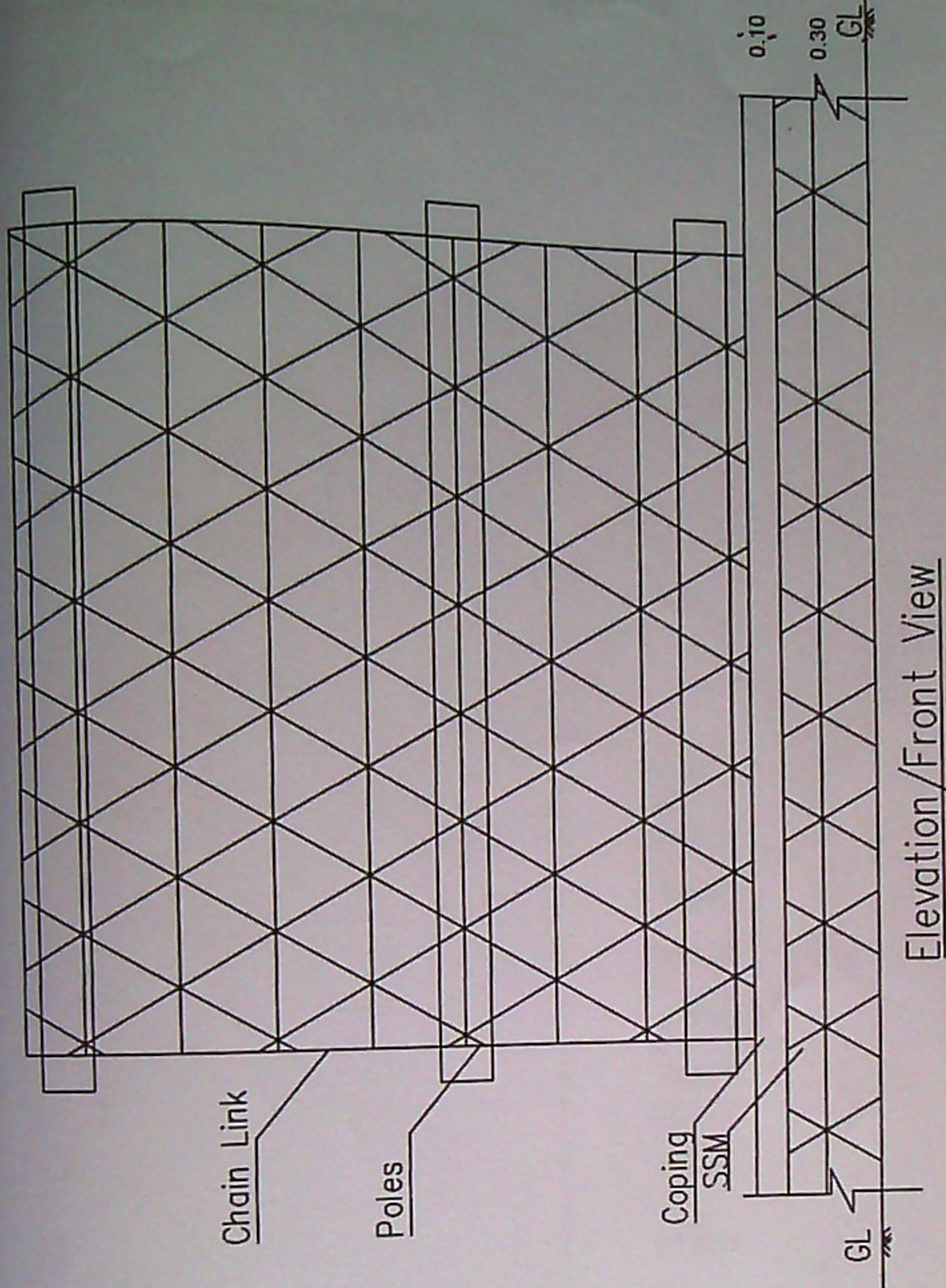
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Executive Engineer,
Yelahanka Division,
BBMP Bangalore

Administrative Sanction for Rs. 50.00 Lakh
Fifty Lakh only.
 is accorded under head P-8158
- 2016-17
 Registered as CE No. _____ Subject _____
 to conditions contained in enclosed memo
 No. EE/1014/00/08/18.19 7-9-18
[Signature]
Executive Engineer



Signature **AE-03**

Signature



Shamshir Ali - 07

me of Work: Improvement and asphaltting to 2nd main road of Muneshwara Layout i

Attur ward no. 03.

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ne of Work: Improvement and asphaltting to 10th and 11th cross roads of Muneshwa

layout in Attur wardno. 03.

MUNESHWARA LAYOUT



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Name of Work: Construction of Rangamandira at 5th Phase play ground and repair work in Vivekananda park in Attur ward no. 03.

PROPOSED RANGAMANDIRA

Nisarga Ground

15.00M X 30.00M

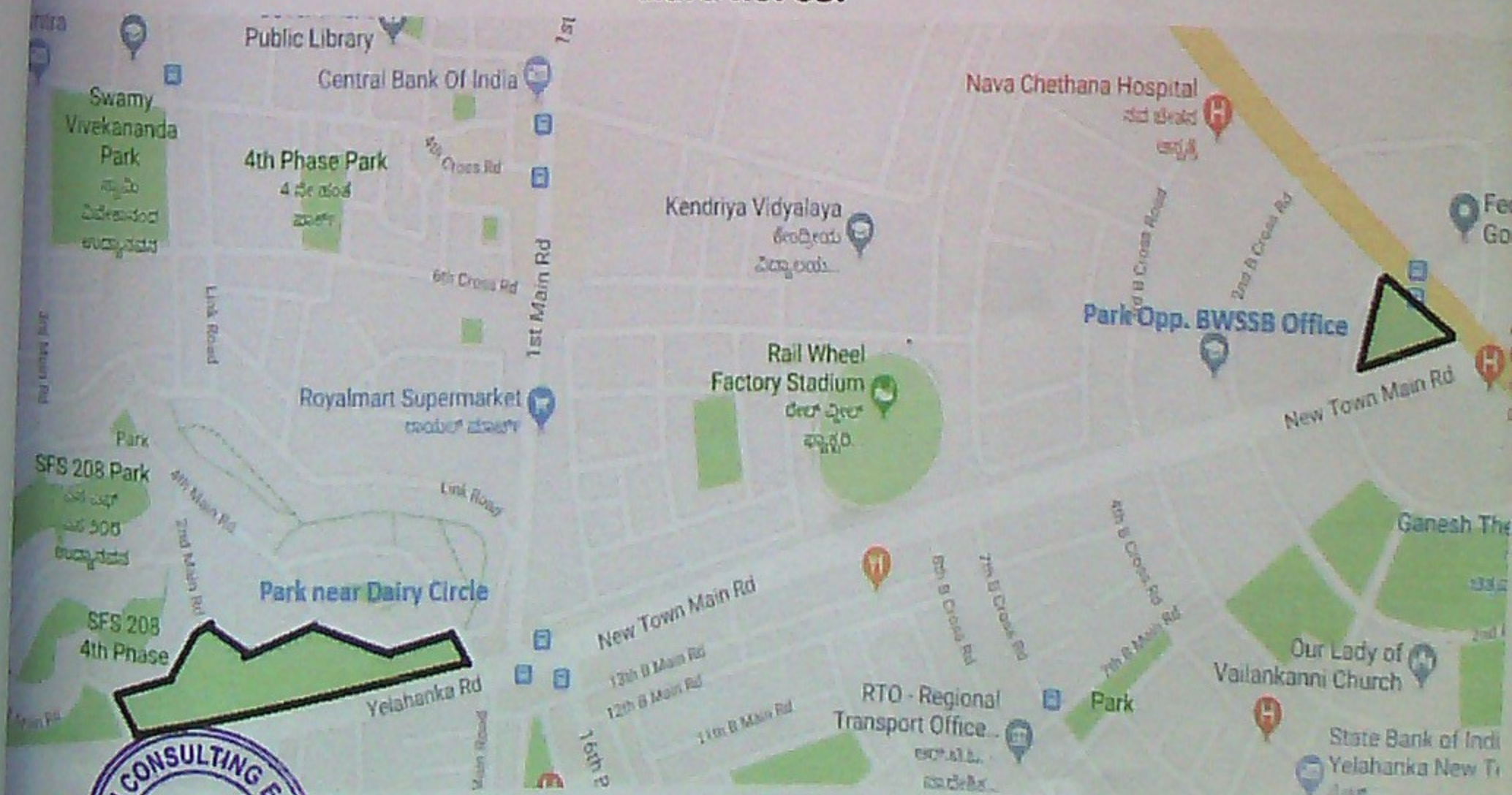
Ganesh Temple,
Yelahanka 5th Phase

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Name of Work: Improvements to park near Dairy Circle in Attur ward no. 03.

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Name of Work: Providing Chainlink fencing to Park Opposite BWSSB office in Attur ward no. 03.



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Work: Improvement and asphaltting to 3rd, 4th and 5th main roads of Attur Layout in Attur wardno. 03.



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A2-03

Map data ©2017 Google, NCC Urban Lir

ASPHALT ROAD

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